

MAJID SABIR KHAN

LEAD PIPING DESIGNER

Mobile UAE :+971507016871

Email : sufimajid79@gmail.com



Summary

Years of Experience

17 Years

Industries

- Oil and Gas
- Upstream and downstream
- Onshore Greenfield & brownfield
- Offshore

Types of Facilities

- Production Facilities
- Power Plants
- Water Treating and Injection
- Degassing Station
- Well heads & well pads
- Clusters and Manifold.

Areas of Expertise

Piping Design layout in

- Conceptual Studies
- Front End Engineering
- Detailed Design
- EPC

Professional Summary

Having 17+ years of experience in Oil and Gas engineering consultant with different type of Onshore and offshore projects worked in Middle east and India. Currently working as a Lead Piping Designer and Capability to handle the team of designers and draughtsman.

Experience includes Design and Drafting of piping system for Oil and Hydrocarbons using appropriate Codes and standards and overall Good engineering practice.

Experienced in working at onshore field and offshore platforms for activities such as Site survey, Handling on-site based project, Construction and engineering support & Tie-in Surveys for brownfield projects in UAE, Kuwait, Bahrain and Iraq.

Delivering top class engineering for Plant Design - OIL & GAS (onshore & offshore) facilities using advanced 3D Software's like PDS, PDMS, MicroStation and AutoCAD with Experienced also includes in developing Equipment Layouts, Piping general arrangement drawings, Study of Piperack's, Extracting isometrics, Tie-in packages, Pipe supports indexes and other engineering drawing deliverables.

Qualifications

Education

- Mechanical Design Draughtsman (I.T.E.S) 1999
- Diploma – Computer Aided Design
- Secondary School certificate.

Software / Skills

- 3D Software's Intergraph PDS
- 3D Software's Aveva PDMS / PDMS Draft / ISO Draft
- 2D Software MicroStation
- 2D AutoCAD and AutoCAD Recap (laser scan model)
- 3D Review Navisworks / Simulate.
- Microsoft office / Outlook

Languages

- English
- Hindi / Urdu
- Marathi

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Experience

LEAD PIPING DESIGNER – (June 2016 – Present)

WOOD PLC, Dubai, UAE – Project ExxonMobil, West Qurna1 FOD, Basra Iraq

Working on ExxonMobil PMC-5 contract to lead Piping design teams and piping deliverables to execute various brownfield projects are in 3D PDS for Basra Oil Company Iraq and project is execute in 3D PDS Software. My current roles and responsibilities are as follows;

- Manage Design activity for multiple brownfield detailed engineering project for 3 No`s West Qurna 1 Degassing Station, Basra, Iraq.
- Perform site survey and create survey report activities based on project scope.
- Identifying Tie-ins point, shutdown and non-shutdown scope.
- Involved in checking drawings and reviewing the piping discipline deliverables. i.e. Plot Plan, Piping general Arrangement, Isometrics etc.
- Handling internal and external interface coordination related to design activity.
- Review support type based on Stress analysis.
- Review and comments on mechanical vendor GA drawing`s i.e. Pumps, vessels and tanks
- Handling 3D design clash check and stage wise 3D model review with Internal discipline and BOC client to ensure alignment of the design and the close out report,
- Co-ordination with site operation and construction team.
- Checking MTO and manage substitute material in discussion with Material engineer.
- Provide motivation and mentoring to the team.
- Generate 3D PDS piping and equipment modelling to meet the project schedule and deliverables.

Experience

LEAD PIPING DESIGNER – (June 2015 – July 2016)

WOOD Group, - Project Bahrain National Gas Company, Banagas FEED.

Successfully completed for Bahrain Gas plant storage expansion brownfield project, modification of the SITRA storage facility to accommodate the additional refrigerated Butane and Propane tanks from the existing gas plant and additional tie-point and the project was executed in 3D PDS software.

My current roles and responsibilities are as follows;

- Performed site survey, identify tie-in points and shutdown valves study based on site survey and create survey report activities based on project scope.
- Developed Plot plan, Piping GA , study of Piperack extension from existing location.

Experience

SENIOR PIPING DESIGNER – (June 2014 –June 2015)

WOOD Group, Abu Dhabi, UAE – Project TAQA, Atrush field development, Kurdistan - IRAQ

Successfully completed Green field project with capacity if 30,000 Barrels Oil/day. Project contains oil treatment facility, with associated gas flaring during the project early phase and the project was executed in 3D PDMS software.

My current roles and responsibilities are as follows;

- 3D Equipment and piping modelling layout based on officially issued P&ID.
- 3D modelling Primary and secondary Pipe support based on stress analysis.

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- Involved in checking isometrics drawings.
- Finalize nozzle orientation and platform orientation for the static equipment.
- Handling internal and external interface coordination related to design activity.
- Review and comments on mechanical vendor GA drawing's i.e Pumps, vessels and tanks.
- Update 3D model based on internal and external design review comment.

Experience

SENIOR PIPING DESIGNER – (April 2006 –June 2014)

WORLEYPARSONS, Abu Dhabi, UAE – Project involved in Design Detailed engineering & FEED

- **ALSA Engineering and contractor** : The project awarded by ALSA engineering to WorleyParsons Abu Dhabi from **ADCO** a detailed engineering and design EPC for Rumaitha CO2 injection project. the project was executed in 3D PDS software.
- **ALSA engineering and Contractor** : The project awarded by ALSA Engineering to Worley Parsons Abu Dhabi from for **ADCO** a detailed Engineering and Design Project for Gas Gathering Trunk line Modifications. Well site Connection modification to gas gathering trunk line. Well site modification to Remote Manifold station. Header Manifold Modification. Handled Area RMS-1, 2, 3, 4, 5, 6 & OGD-1 Piping GA, Piping Layout , Isometric & Bill of Material. the project was executed in 3D PDS software.
- **ADCO Engineering Consultancy service for Miscellaneous works for NEB and JEBEL DHANA Detailed Engineering Project** : The Project awarded by ADCO to Worley Parsons Abu Dhabi detailed Engineering and Design project for modification in two ADCO fields North East Bab (NEB) and JEBEL DHANA engineering of NEB flow lines Pigging Facilities, Oil Export Pump Modification, isolation and removal of pipelines redundant section at Jebel Dhanna. Handled NEB Area-1 Piping G.A, Piping Layout, Isometric, MTO for NEB Area Cluster 5E, 12M, B2, RA-15, 24, 39, 51 & 56 and Al Dhabiya. the project was executed in 3D PDS software
- **ADMA-OPCO Offshore additional 100MBD ZWSC Modification Detail Engineering** :Project awarded to M/s Worley Parsons Abu Dhabi by National Petroleum Construction Company (NPCC) a Detailed Engineering and Design Project for Client ADMA OPCO. Scope of work ZWSC CSP / RP / NRP to handle 100 MSTBPD oil productions modification. Replacement of 16"Header with 8" existing relief headers at Collector Separator Platform (CSP). New Main oil Line pumps Addition at CSP, Cooling water discharge line from lube oil cooler at CSP. the project was executed in 3D PDMS software.
- **Umm Al Dhak Offshore Facilities Global Structural Analysis of Platforms ZADCO (Abu Dhabi)** : Project awarded by ZADCO for Global Structural Analysis of 7 Nos. Wellheads Platforms and 1 Living Quarters Platform. Scope of work is to Update all the Equipment Layout, Site Survey for data collections, weight Reports
- **New Tank batteries and well manifolds Projects** : Project awarded by Tatweer Petroleum Bahrain as a Greenfield Project and for 2 New Tank Batteries and 15 New Well Manifolds to increased Production new light oil facilities. Each Tank Battery has a set of common facilities serving two separation trains with provision for a third separation train to be added in future. the project was executed in 3D PDMS software.
- **Feed for 8TH Power Generator unit of Das Island (ADGAS - Abu Dhabi)** : Project awarded by ADGAS, Power System Upgrade project has covered the replacement and upgrade of ADGAS main 11kvSubstation and added Utility lines like Instrument air, Vent line also Diesel oil and Sour Gas line.

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- **Al Jurf Phase 2 Offshore (Farwah FPSO) Mabruk Oil Operation Syria** : Completed in PDMS 3D Modelling on FPSO, Upgrading of water treatment Facilities on existing Farwah FPSO. Upgrade of new power generation facility and new LP separation. Also Installed Oil Booster pumps on the new Separation and Dehydration Module.
- **North middle area Gas exploitation Project** - The project involves the tie-in of five non-associated gas fields (two sour and three sweet gas fields) in the south area to a new Gas Treatment Plant. Area handled Train A Separator and Piperack. equipment's modelling, Plot plan, and PDMS Draft Plot Plan and Equipment layout, pipe routing and pipe supports (MDS). Also Involved in P&ID. The project was executed in 3D PDMS.

Experience

SENIOR PIPING DESIGNER – (June 2004 – April 2006)

VECO Engineering, Abu Dhabi, UAE – Project involved in Design Detailed engineering & FEED

- **Engineering service for the segregation of units 6 & 7 flow lines (ADCO-BAB field) Abu Dhabi** : The Project includes installation of new manifolds and testing facilities in Remote Manifold Station-1, RMS-2, RMS-3 and OGDII-DGM, and testing facilities RMS-4 and RMS-5.
Preparation of Piping General Arrangement, Demolition General Arrangement drawings, and Isometric drawings, Client Specifications and Site Survey Sketches as per Shell DEP.
- **Installation of new 20" Gas oil pipeline Kuwait Oil Company from area MAA refinery to new turbine station at SUBIYAH** : Preparing Plot Plan, Pipe Routing, Equipment's, Structures and Pipe supports for Subiyah pig trap Area, MAA Tank farm Area and Doha West.
Extraction of Equipment layout drawings, Piping General Arrangement drawings, pipe support details and Isometric drawings with bill of material based on P&ID, Piping class and client Specifications. Checking of piping General Arrangement, Isometrics, civil/structural drawings and vendor drawings, attended clarification meetings and conducted site Visit. Worked for ZADCO for Effluent Water Disposal project (onshore / offshore) and Degassing. - Zirku Island
- **ADCO BU HASA ESP Pilot Project Phase -2** : Convert the existing dual completion wells in Bu Hasa field i.e. Wells from free flowing wells to the artificial lift wells (Electrical Submersible Pump type).
Preparation of Piping General Arrangement, Demolition General Arrangement drawings, and Isometric drawings, Piping class, client Specifications and Site Survey Sketches.

Professional History

- Wood PLC, Abu Dhabi / Dubai, UAE (June 2014 – Present)
- WorleyParsons, Abu Dhabi, UAE (April 2006 – June 2014)
- Veco Engineering, Abu Dhabi, UAE (June 2004 – April 2006)
- GOGAS (Gulf oil and Gas L.L.C), Abu Dhabi, UAE (January 2002 – March 2004)
- Sharples International, Mumbai, India (January 2000 – January 2002)
- M/s Tec-T Engineering Consultants, India (January 1999-January 2000)

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Personal Information

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Majid Khan

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